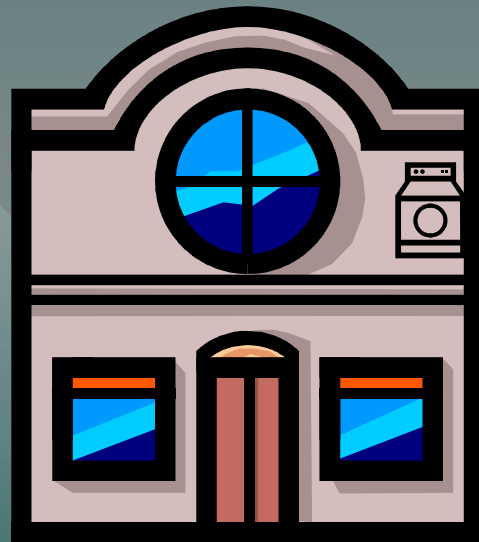


A Guide for Perc Drycleaners



Hawaii State
Department of Health
Clean Air Branch
July 1999



GOAL: Compliance and a successful business

Small Business Assistance Program
and Small Business Ombudsman
July 1999

Identify your equipment

- Transfer system or dry-to-dry

Transfer Systems

- Have separate washer and dryer
- Must have been installed before 9/23/93
- However, a facility with an existing system can be bought or sold
- Current rules discourage the use of transfer systems because of high emissions

Dry-to-Dry

- Installed before 12/9/91-existing
- Installed on or after 12/9/91-new

Perc Consumption and Source Size

- Consumption is based on annual purchase
- 140 gallons or less - **small source** (200 or less for existing transfer systems)
- 141 to 2100 gallons - **large source** (201 to 1800 for existing transfer systems)
- 2100 + gallons - **major source**

Small source-existing transfer

- Leak detection log required-biweekly
- Leaks detected must be repaired
- Operate with closed door, man. specs
- No new air pollution control required
- Perc consumption - 12 month rolling average

Small source existing dry-to-dry system

- Biweekly leak detection log
- leaks repaired
- Operate according to man. specs
- Perc consumption log

Small source - new dry-to-dry

- Weekly leak detection log
- Leaks repaired
- Operate to manufacturer specs
- Must have refrigerated condensor
- Weekly temp. check of outlet
- Perc purchase log

Large source - existing transfer

- Weekly leak detection log required
- Leaks must be repaired
- Refrigerated condensor or carbon adsorber (if installed before 9/22/93)
- Weekly Temperature log required (or perc concentration log in ppm for sniffer)
- Perc consumption log

Large source existing dry-to-dry

- Weekly leak detection log
- Leaks must be repaired
- Perc consumption log
- Refrigerated condensor or carbon adsorber (if installed before 9/22/93)
- Weekly temp. log or ppm check

Large source new dry-to-dry

- Weekly leak detection log
- Leaks must be repaired
- Perc consumption log
- Refrigerated condensor required
- Weekly temp. log

Maintenance and Pollution Prevention -all systems

- Operate and maintain according to specs
- Close door immediately... keep closed at all other times
- Drain filters for 24 hours
- Leak and repair logs, perc logs
- Store perc waste -leak-free solvent containers.
- Submit reports and annual fees

•Hand- out

Table 3. EPA Air Requirements for Dry Cleaners

Requirement	Size Category of Dry Cleaning Facility		
	Small Area Source	Large Area Source	Major Source
Equipment Requirements			
Elimination of all transfer machines classified as new	Required		
Surround all existing transfer machines with room enclosure vented by carbon adsorber	Not required	Not required	Required by 9/23/96.
Installation of main perc vapor recovery system (refrigerated condenser or carbon adsorber) ⁱ	Required for new machines upon start-up. Not required for existing machines	Required for new machines upon start-up. Must be installed for existing machines by 9/23/96.	Required for new machines upon start-up. Must be installed for existing machines by 9/23/96.
Installation of additional carbon adsorber for residual perc recovery system	Not required	Not required	Required for new machines upon start-up, for existing machines by 9/23/96.
Emissions Equipment Monitoring			
Monitoring of refrigerated condensers	Weekly monitoring required		
Monitoring of carbon adsorbers	Weekly monitoring required		
Fugitive Emissions Control			
Leak detection program	Biweekly inspection	Weekly inspection	Weekly inspection
Simple leak repairs	Repair within 24 hours		
Leak repairs requiring order of parts	Order parts within 2 working days. Install parts within 5 days of receipt.		
Disposal of cartridge filters	Drain for at least 24 hours		
General operation of dry cleaning machines	As per manufacturer's specifications and recommendations		
Keep machine doors closed except when transferring clothes	Required		
Store perc and perc waste storage in tightly sealed containers	Required		
Reporting			
Initial compliance report	Required upon start-up.		
Additional compliance reports	Required 30 days after start-up and after any change in facility status. ⁱⁱ		
Recordkeeping			
Facility Log Book	Maintain on-site for 5 years.		

ⁱPerc vapor recovery systems should be refrigerated condensers, or alternatively, existing carbon adsorbers installed before September 22, 1993.

ⁱⁱChange in facility status includes a change in ownership or address of the facility, purchase of a new equipment, or a change in size category.

Other possible air regulations

Petroleum based solvents - may be regulated if machine can hold 84 lbs or 39 kg or more.

Boilers - may require a separate air permit if using diesel and 1 million BTU per hour, OR:

are fired with propane, SNG and 5 million BTU per hour

note: 23 -30 HP use @ 1 million BTU/hr

Pollution Prevention

- EQUIPMENT & MATERIALS
 - recovery still
 - water mister
 - alternative solvents
- OPERATION
 - Permit conditions & self auditing
 - Training and technique
 - Cleaning methods

Contacts:

- Compliance Assistance Office
- Patrick Felling - 586-4528
- Small Business Assistance Program
- Robert Tam - 586-4200
- 919 Ala Moana Blvd, 2nd Floor, 96814

WEB sites/addresses

- EPA (contractor) www.smallbiz-enviroweb.org
- Trade Associations - www.rmfa.org
- Wet cleaning - www.cnt.org/wetcleaning

Review

- Handouts
- Calendar
- Alternatives
- contacts
- Goal is compliance and a successful business.

Other pollution regulations

- Haz. Waste and solvent containers.
- Haz. Waste and disposal.
- DOT shipping and label requirements.
- C & C wastewater/potw requirements.